



Sean  
Sheldrake/R10/USEPA/US  
02/13/2007 12:14 PM

To Lori Cora/R10/USEPA/US@EPA, Mark  
Ader/R10/USEPA/US@EPA, Chip  
Humphrey/R10/USEPA/US@EPA, Eric  
cc

bcc

Subject Fw: How is NWN doing?

fyi

Sean Sheldrake  
USEPA  
Environmental Cleanup Office  
1200 Sixth Avenue  
Mailstop: ECL-110  
Seattle WA 98101-1128  
sheldrake.sean@epa.gov  
Phone: 206/553-1220 / Fax: 206/553-0124 or -0910  
<http://yosemite.epa.gov/r10/oea.nsf/webpage/dive+team>  
<http://yosemite.epa.gov/r10/cleanup.nsf/sites/ptldharbor>  
Deliveries: 9th floor mailroom  
Visitors: Check-in @ PERC / Service Center on 12th floor  
----- Forwarded by Sean Sheldrake/R10/USEPA/US on 02/13/2007 12:12 PM -----



BAYUK Dana  
<BAYUK.Dana@deq.state.or.us>

02/13/2007 11:00 AM

To Sean Sheldrake/R10/USEPA/US@EPA  
cc LARSEN Henning <LARSEN.Henning@deq.state.or.us>,  
MCCLINCY Matt <MCCLINCY.Matt@deq.state.or.us>  
Subject RE: How is NWN doing?

Good morning Sean.

As Jim noted, (b) (6)

. Hopefully this e-mail reaches you  
in time to be of use.

Currently source control work efforts are focusing on a couple of things: 1) Phase 1 of the offshore field approach (FSA); and 2) a pilot study for hydraulic containment.

#### Phase 1 FSA

The Phase 1 FSA was completed last month according to schedule. I don't know how much you know about the project, but it involved drilling thirteen borings (six to bedrock) on 200 foot centers in the near shore area along the Gasco waterfront to approximately 500-600 feet upstream of the property line with Siltronic. The attached Figure 15 shows the locations of the borings (see GS-00 through GS-12)

Soil and groundwater samples were collected to the bottom of each boring for chemical analysis. In addition, soil samples were collected at regular depth intervals for geotechnical testing (e.g., grain-size, atterberg limits).

Anchor and DEQ are currently compiling data collected during drilling

USEPA SF



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and sampling. Information from the Phase 1 drilling program will be primarily used to: 1) compare near-shore groundwater data with the uplands; 2) assess the occurrence of NAPL and the vertical extent of groundwater contamination near the shoreline along a potential alignment of a vertical barrier; and 3) inform the scope of work for the Phase 2 FSA which moves data collection efforts in-water.

#### Pilot Study

The pilot study will support design of the hydraulic containment component of the ground water source control measure, including development of a groundwater model and the groundwater treatment system. Work is proceeding on schedule.

The pilot study involves monitoring the lateral and vertical influence of pumping up to four extraction wells located within 100 feet of the top-of-bank in the upstream portion of the NWN site (i.e., from about the Tar Body to the property line). The attached Boring Location Map shows the proposed locations of the four pumping wells. Note that extraction well PW-1 exists and wells PW-2, PW-3, and PW-4 will be installed by NWN for the pilot test.

Within the next week or two NWN will be drilling borings to obtain extraction well design information. In addition, existing monitoring well clusters will be supplemented with wells to track the hydraulic and chemical influence of pumping the wells at multiple depth intervals within the alluvium.

NWN will submit a pilot study design plan that includes the recommended extraction well locations and design, and monitoring plan for DEQ's review before the pilot study is implemented. Per the current schedule the pilot study is project for completion late summer/early fall.

That covers where things are Sean. Next time you're in town I'd like to get together to discuss Gasco and the direction we see things going and under what timeframe.

Hope your day goes well.

Mr. Dana Bayuk, Project Manager  
Cleanup & Lower Willamette Section  
Oregon Department of Environmental Quality  
2020 SW 4th Avenue, Suite 400  
Portland, OR 97201

E-mail: bayuk.dana@deq.state.or.us  
Phone: 503-229-5543  
FAX: 503-229-6899

please visit our website at [www.deq.state.or.us](http://www.deq.state.or.us)

-----Original Message-----

From: Shelldrake.Sean@epamail.epa.gov  
[mailto:Shelldrake.Sean@epamail.epa.gov]  
Sent: Friday, February 09, 2007 11:34 AM  
To: ANDERSON Jim M  
Cc: BAYUK Dana  
Subject: RE: How is NWN doing?

That's plenty soon; thanks Jim. S

Sean Sheldrake  
USEPA  
Environmental Cleanup Office  
1200 Sixth Avenue  
Mailstop: ECL-110  
Seattle WA 98101-1128  
sheldrake.sean@epa.gov  
Phone: 206/553-1220 / Fax: 206/553-0124 or -0910  
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<http://yosemite.epa.gov/r10/cleanup.nsf/sites/ptldharbor>  
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ANDERSON Jim M  
<ANDERSON.Jim@de  
q.state.or.us>

02/09/2007 11:27  
AM

To  
Sean Sheldrake/R10/USEPA/US@EPA,  
BAYUK Dana  
<BAYUK.Dana@deq.state.or.us>

cc

Subject

RE: How is NWN doing?

Sean,  
Dana is out today, but should return Mon 2/12. I'm sure he respond to  
you early next week.

James M. Anderson  
DEQ Northwest Region  
Portland Harbor Section  
Phone (503) 229-6825  
Fax (503) 229-6899

-----Original Message-----

From: Sheldrake.Sean@epamail.epa.gov  
[mailto:Sheldrake.Sean@epamail.epa.gov]  
Sent: Friday, February 09, 2007 11:27 AM  
To: BAYUK Dana  
Subject: How is NWN doing?

Dana,

Just a quick check in --is NWN keeping on your schedule? I wanted to

give a briefing internally here on how things are going there on s/c.

Also, I wanted to let you know that within 2 months I'd like to get you a draft SOW for GASCO/Siltronic in water work (and contingency s/c work, like Arkema) for your review and comment.

Have a good weekend!

S

Sean Sheldrake  
USEPA  
Environmental Cleanup Office  
1200 Sixth Avenue  
Mailstop: ECL-110  
Seattle WA 98101-1128  
sheldrake.sean@epa.gov  
Phone: 206/553-1220 / Fax: 206/553-0124 or -0910  
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Figure 15.pdf Boring Location Map.pdf ----- Forwarded by Sean Sheldrake/R10/USEPA/US on 02/13/2007 12:12 PM -----



BAYUK Dana  
<BAYUK.Dana@deq.state.or.us>

02/13/2007 11:20 AM

To Sean Sheldrake/R10/USEPA/US@EPA

cc

Subject EPA & NWN Meeting

I forgot to ask in my earlier e-mail, but I understand EPA and NWN met recently, and that in-water work was going to be discussed. I was wondering if you participated, and what was the outcome?

If you get a chance I'd be interested in, and would appreciate, a quick overview of the meeting in whatever format is easiest for you (e-mail, phone, fax, text message, regular mail, morse code, passenger pigeon, smoke signals...).

Thanks in advance for the information Sean.

Mr. Dana Bayuk, Project Manager  
Cleanup & Lower Willamette Section  
Oregon Department of Environmental Quality  
2020 SW 4th Avenue, Suite 400  
Portland, OR 97201

E-mail: [bayuk.dana@deq.state.or.us](mailto:bayuk.dana@deq.state.or.us)

Phone: 503-229-5543

FAX: 503-229-6899